

Serial No. 10/041,850

Attorney Docket No. 13018-28

CLAIM AMENDMENTS

Please amend claims 1, 9 and 17, and add claims 22-23, as set forth below:

1. (Currently amended) A method of treating a soft tissue wound, comprising:
identifying a soft tissue wound on a subject;
indicating the use of capacitively coupled electrical stimulation for treatment of the identified soft tissue wound;
providing a signal generator in electrical communication with first and second electrodes;
disposing said first and second electrodes on a skin surface of the subject on opposing sides of the identified soft tissue wound; and
applying an electric field in the identified soft tissue wound for treatment thereof, said electric field being generated between said first and second electrodes by generating an electrical signal therebetween at a frequency within a range of 20 to 100 kHz and having a symmetrical waveform with an amplitude within a range of 0.1 to 20 volts peak to peak ~~through said first and second electrodes.~~
2. (Original) The method of claim 1, wherein said signal generator is an AC generator generating a sine wave electrical signal.
3. (Withdrawn) The method of claim 1, wherein said signal generator is a bipolar DC generator generating a symmetrical step waveform.
4. (Withdrawn) The method of claim 1, wherein said signal generator is a bipolar DC generator generating a triangular waveform.
5. (Withdrawn) The method of claim 1, further comprising the step of applying said electric field continuously until the soft tissue wound heals.

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6. (Original) The method of claim 1, further comprising the step of applying said electric field intermittently until the soft tissue wound heals.
7. (Withdrawn) The method of claim 1, further comprising the step of incorporating an adherent conducting material on said first and second electrodes to maintain good conducting relation and enabling easy adherence and removal of said first and second electrodes to/from said skin surface.
8. (Withdrawn) The method of claim 1, further comprising the step of applying a bandage about said first and second electrodes for maintaining a position thereof.
9. (Currently amended) ~~A method for treating a soft tissue wound, comprising:~~
~~providing a signal generator in electrical communication with first and second electrodes;~~
~~disposing said first and second electrodes on a skin surface on opposing sides of the soft~~
~~tissue wound;~~
~~applying an electric field in the soft tissue wound by generating a voltage at a frequency~~
~~within a range of 20 to 100 kHz and having a symmetrical waveform with an amplitude within a~~
~~range of 0.1 to 20 volts peak to peak through said first and second electrodes; and~~
The method of claim 1, further comprising:
periodically reconfiguring said first and second electrodes about the soft tissue wound.
10. (Original) The method of claim 9, wherein said signal generator is an AC generator generating a sine wave voltage.
11. (Withdrawn) The method of claim 9, wherein said signal generator is a bipolar DC generator generating a symmetrical step waveform.
12. (Withdrawn) The method of claim 9, wherein said signal generator is a bipolar DC generator generating a triangular waveform.

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13. (Withdrawn) The method of claim 9, further comprising the step of applying said electric field continuously until the soft tissue wound heals.
14. (Original) The method of claim 9, further comprising the step of applying said electric field intermittently until the soft tissue wound heals.
15. (Withdrawn) The method of claim 9, further comprising the step of incorporating an adherent conducting material on said first and second electrodes to maintain good conducting relation and enabling easy adherence and removal of said first and second electrodes to/from said skin surface.
16. (Withdrawn) The method of claim 9, further comprising the step of applying a bandage about said first and second electrodes for maintaining a position thereof.
17. (Currently amended) A method of healing a soft tissue wound, comprising:
identifying a soft tissue wound on a subject;
indicating the use of capacitively coupled electrical stimulation for treatment of the identified soft tissue wound;
providing a signal generator in electrical communication with first and second electrodes;
disposing said first and second electrodes on a skin surface proximate to the identified soft tissue wound;
generating a time varying electrical signal with said signal generator;
delivering said electrical electric-signal to said first and second electrodes;
generating an electric field in a region of the identified soft tissue wound, for treatment thereof, upon delivering of said electrical electric-signal to said first and second electrodes.

18. (Withdrawn) The method of claim 17, wherein generating an electric field comprises generating a voltage at a frequency within a range of 20 to 100 kHz and having a symmetrical waveform with an amplitude within a range of 0.1 to 20 volts peak to peak through said first and second electrodes

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19. (Original) The method of claim 17, wherein said signal generator is an AC generator generating a sine wave voltage.

20. (Withdrawn) The method of claim 17, wherein said signal generator is a bipolar DC generator generating a symmetrical step waveform.

21. (Withdrawn) The method of claim 18, wherein said signal generator is a bipolar DC generator generating a triangular waveform.

22. (New) A method of treating a soft tissue wound, comprising:

providing a signal generator in electrical communication with first and second electrodes;

disposing said first and second electrodes on a skin surface on opposing sides of an identified soft tissue wound; and

applying an electric field in the identified soft tissue wound, for treatment thereof, by generating an electrical signal at a frequency within a range of 20 to 100 kHz and having a symmetrical waveform with an amplitude within a range of 0.1 to 20 volts peak to peak through said first and second electrodes.

23. (New) A method of healing a soft tissue wound, comprising:

providing a signal generator in electrical communication with first and second electrodes;

disposing said first and second electrodes on a skin surface proximate to an identified soft tissue wound;

generating a time varying electrical signal with said signal generator;

delivering said electrical signal to said first and second electrodes; and

generating an electric field in a region of the identified soft tissue wound, for treatment thereof, upon delivering of said electrical signal to said first and second electrodes.